

Numbers with Same Consecutive Differences [\(View\)](#)

Return all **non-negative** integers of length `n` such that the absolute difference between every two consecutive digits is `k`.

Note that **every** number in the answer **must not** have leading zeros. For example, `01` has one leading zero and is invalid.

You may return the answer in **any order**.

Example 1:

Input: `n = 3, k = 7`

Output: `[181,292,707,818,929]`

Explanation: Note that `070` is not a valid number, because it has leading zeroes.

Example 2:

Input: `n = 2, k = 1`

Output: `[10,12,21,23,32,34,43,45,54,56,65,67,76,78,87,89,98]`

Constraints:

- `2 <= n <= 9`
- `0 <= k <= 9`